

PATENT ABSTRACTS OF JAPAN

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(54) BLOCK COPOLYMER COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a block copolymer composition having a high degree of swelling for an ester compound and excellent in liquid holding properties and, on the other hand, excellent in mechanical strength or shape retaining properties.

SOLUTION: This block copolymer composition contains a block copolymer comprising a segment A containing 10-100 mol.% of a polar monomer selected from a polar monomer 1 having (1) a polymerizable unsaturated bond and a functional group selected from hydroxy group, nitrile group, carboxyl group, amino group and amide group, a polar monomer 2 represented by the formula $\text{CH}_2=\text{CR}_1\text{-COO-(CH}_2\text{-CHR}_2\text{-O)}_t\text{-R}_3$ [R1 and R2 are each hydrogen atom or a 1-5C alkyl group; R3 is a 1-5C alkyl group or phenyl group; (t) is a number of repetition and an integer of 1-25] and a polar monomer 3 represented by the formula $\text{CH}_2=\text{CR}_4\text{-COO-(C}_m\text{H}_{2m}\text{-COO)}_n\text{-R}_5$ [R4 is a 1-5C alkyl group; R5 is a 1-10C alkyl group or phenyl group; (n) and (m) are each a number of repetition and an integer of 1-20] as constituent components and a segment B containing <10 mol.% of the polar monomer as a constituent component and (2) an ester compound.